

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (amended): A method of measuring an absorbed dose of ionizing radiation using a measuring device that bears an integral identification mark, comprising the steps of:

providing a support;

~~disposing~~ coating on said support a first region ~~for capable of measuring~~ an absorbed dose of ionizing radiation, said region comprising a binder and alanine;

disposing on said support a second region that bears an integral identification mark;

exposing at least the first region to a dose of ionizing radiation, wherein the alanine, upon exposure to ionizing radiation, produces radicals; and ~~reading signal from detecting the radicals in the first region.~~

2 (original): The method of claim 1 further comprising a step of revealing the identification mark in the second region.

3 (original): The method of claim 1 or 2 further comprising a step of deciphering the identification mark in the second region.

4 (original): The method of claim 1 wherein the identification mark is a bar code, a series of alpha-numeric characters or a combination thereof.

5 (original): The method of claim 1 wherein the identification mark is on a substrate.

6 (original): The method of claim 5 wherein the substrate for the identification mark is a label.

7 (original): The method of claim 5 wherein the substrate for the identification mark is an intermediate layer and a dark-colored layer coated directly onto the support.

8 (original): The method of claim 1 wherein the substrate for the identification mark extends partially over the alanine-containing layer.

9 (original): The method of claim 1 wherein the identification mark is uncovered/revealed through the use of a laser.

10 (original): The method of claim 1 wherein the identification mark is printed onto a strip.

11 (canceled)

12 (amended): The method of claim 1 wherein the first region comprises a binder and alanine; wherein the alanine, upon exposure to ionizing radiation, produces radicals that remain stable for long periods of time.

13 (original): The method of claim 1 wherein the support is flexible.

14 (amended): The method of claim ~~1~~ 12 wherein the alanine is in crystalline form.

15 (original): The method of claim 14 wherein the crystalline alanine comprises particles less than 100 microns in size.

16 (amended): The method of claim ~~14~~ 1 wherein the coated first region is between 100 and 200 microns thick.

17 (new): A dosimeter comprising:

a support; at least one first region disposed on said support, the first region containing alanine and a binder;
at least one second region disposed on said support;
wherein the first region is capable of measuring an absorbed dose of ionizing radiation and the second region bears an identification mark on a substrate.

18 (new): The dosimeter of claim 17 wherein the identification mark is a bar code, a series of alpha-numeric characters or a combination thereof.

19 (new): The dosimeter of claim 17 wherein the substrate for the identification mark is a label.

20 (new): The dosimeter of claim 17 wherein the substrate for the identification mark is a label which is adhered to the support by means of a thermally activated adhesive.

21 (new): The dosimeter of claim 17 wherein the substrate for the identification mark is a label the topmost surface of which is coated with an intermediate layer and a dark-colored layer.

22 (new): The dosimeter of claim 17 wherein the substrate for the identification mark is a label the topmost surface of which is coated with an intermediate layer and a dark-colored layer which is black.

23 (new): The dosimeter of claim 17 wherein the substrate for the identification mark is an intermediate layer and a dark-colored layer coated directly onto the support.

24 (new): The dosimeter of claim 17 wherein the substrate for the identification mark extends partially over the alanine-containing layer.

25 (new): The dosimeter of claim 17 wherein the identification mark is uncovered/revealed through the use of a laser.

26 (new): The dosimeter of claim 17 wherein the identification mark is printed onto a strip.